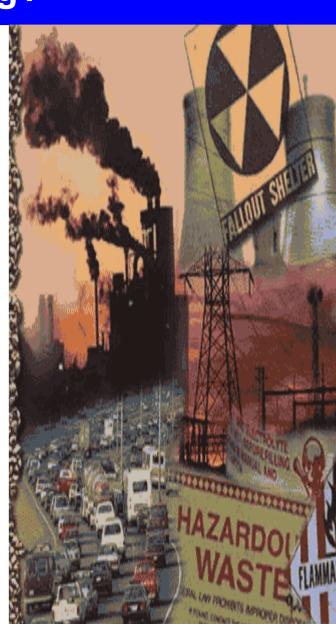
Health Impact Assessment: Tools for Advancing Health, Sustainability, and Social Justice



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Why Should a Society Want a Public Health Perspective on Policy and Planning?

- Helps to prevent harm
- Provides a comprehensive lens on issues and trade-offs in public decision-making
- Supports community engagement and legitimizes "unheard" community voices
- Increases policy maker and public understanding of health and policy relationships
- Mobilizes political support (or opposition) for policy



Existing Institutions *Promise* the Promotion and **Protection of Health!**



- City Planning Codes are adopted "...to promote and protect the public health, safety, peace, morals, comfort, convenience and general welfare.."
- NEPA requires analysis health and safety problems caused physical changes
- Environmental Justice requires agencies to identify and address adverse health effects of programs, policies, and activities on low income and minority populations

Existing Institutions *Promise* the Promotion and Protection of Health!

The purpose of public health is to fulfill society's interest in assuring the conditions in which people can be healthy"

—Institute of Medicine

Health Impact Assessment A Definition

"...a combination of procedures or methods by which a policy, program, or project may be judged as to the effects it may have on the health of a population."

- WHO Regional Office for Europe (1999)

The Health Impact Assessment Process

Screening	Understand the policy/plan and its alternatives, judge the breadth and magnitude of health effects, examine the strength of the evidence,
	gather available analysis, understand stakeholder positions, consider equity effects, and consider the potential for improvements

Scoping: Identify health pathways, research questions, research methods, data sources, and mitigation strategies

Appraisal:

Review documents, conduct field visits and gather field measures/data, gather secondary data, conduct map analyses, and apply quantitative forecasting

Reporting

Write structured report with findings, submit comment letters (e.g., EIR), hold stakeholder meetings to share findings, and, provide public testimony

Assess response to comments and reports, review media coverage, stakeholder and decision-maker statements, and, assess changes in plan/project/policy decisions deriving from HIA analysis

Public Health's Vision: A Healthy Environment for All

The fundamental conditions and resources for health are peace, shelter, education, food, income, a stable ecosystem, sustainable resources, social justice and equity.

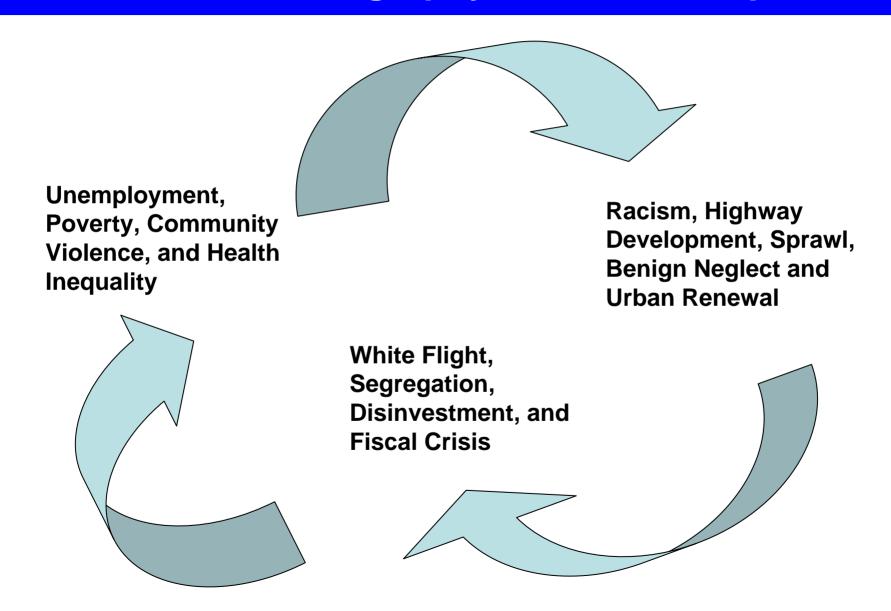
Ottawa Charter for Health Promotion (1986)

Public Health Values: Equality for Health Opportunities

Physicians are natural advocates for the poor

-Rudolf Virchow (1821-1902)

Public Health Evidence: Policies and the Geography of Health Inequities



Land Use and Transportation Systems Planning: Questions for Health, the Environment, and Social Justice

- Will development improve environmental quality?
- Will development ensure infrastructure, investment, and opportunities for all?
- Will development harm low-income and ethnic minorities?
- Will development secure social inclusion?

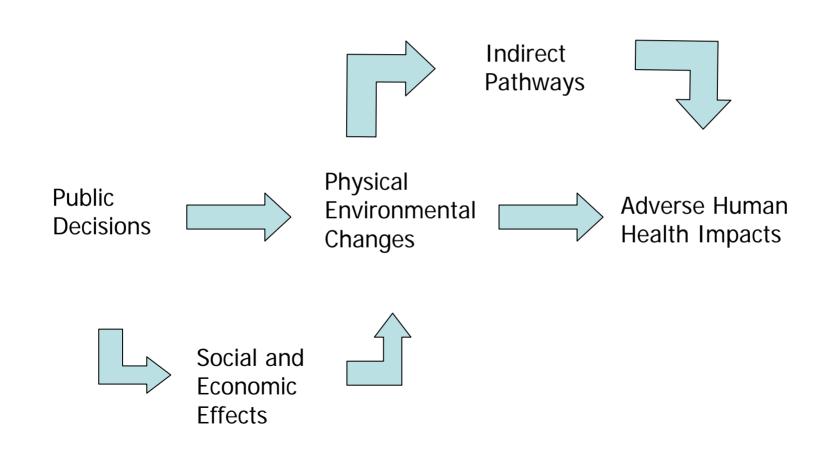


Infill Development & Residential Displacement Trinity Plaza Case Study, San Francisco (2003)

- Coalition challenged City approval of proposal to demolish and redevelop 360 unit rent-controlled apartments to as new market-rate condominiums citing human impacts from stress, loss of family and friend support, and moving to poor quality housing
- A HIA conducted by the Health
 Department documented adverse
 health effects forcing City to require
 study or mitigations
- Developer negotiated with tenants to provide replacement housing at current rents



Pathways Requiring Health Effects Analysis under Environmental Impact Assessment



Roadway—Residential Air Quality Conflicts: Wood Street Project Case Study, West Oakland (2005)

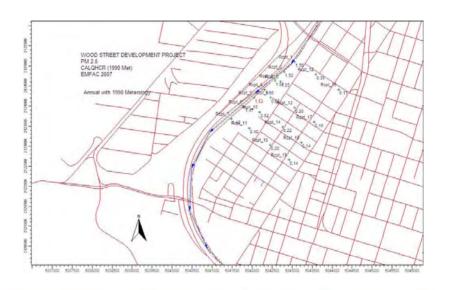
Living within 500 feet of a busy roadway results in asthma symptoms and reduced lung growth in children!





Roadway—Residential Air Quality Conflicts: Wood Street Project Case Study, West Oakland (2005)

- I-880 Freeway rebuilt to avoid transecting West Oakland Neighborhood
- Mixed use residential project later proposed adjacent to freeway
- Community Coalition raised air quality health impacts in environmental review
- Exposure analysis pursued despite City inattention
- Coalition used analysis in selecting parcels for affordable housing

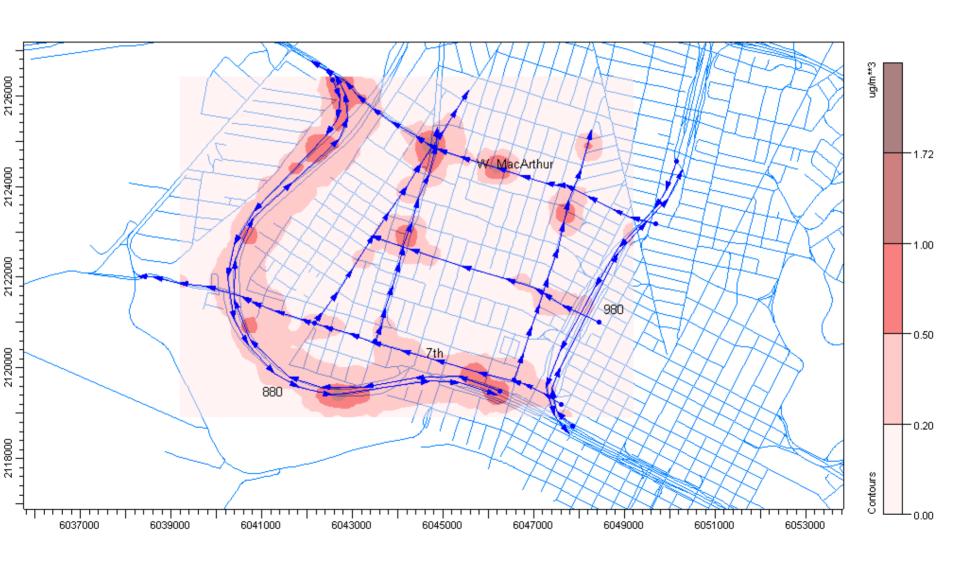




Roadway—Residential Air Quality Conflicts: Wood Street Project Case Study, West Oakland (2005)

- Living near busy roadways is a significant health hazard
- Routine monitoring does not capture intra-urban exposure variation
- Air quality land use conflicts from roadways are not assessed or regulated by planning and building agencies
- Feasible mitigations are not employed to prevent exposure

Modeled Spatial Extent of Vehicle PM_{2.5} All Vehicle Sources—West Oakland, CA



Reuse of Waterfront Industrial Land Oak to Ninth Case Study, West Oakland (2006)

- Oak to Ninth Avenue replaced plans for a regional public waterfront destination with a new residential neighborhood
- HIA examined access to schools, parks, and transit; environmental safety impacts from freeway vehicles; and opportunities for residential integration
- Findings had little standing or influence on decision-makers



FIGURE III-11: Oak to 9th District Bird's-Eye Illustrative Perspective

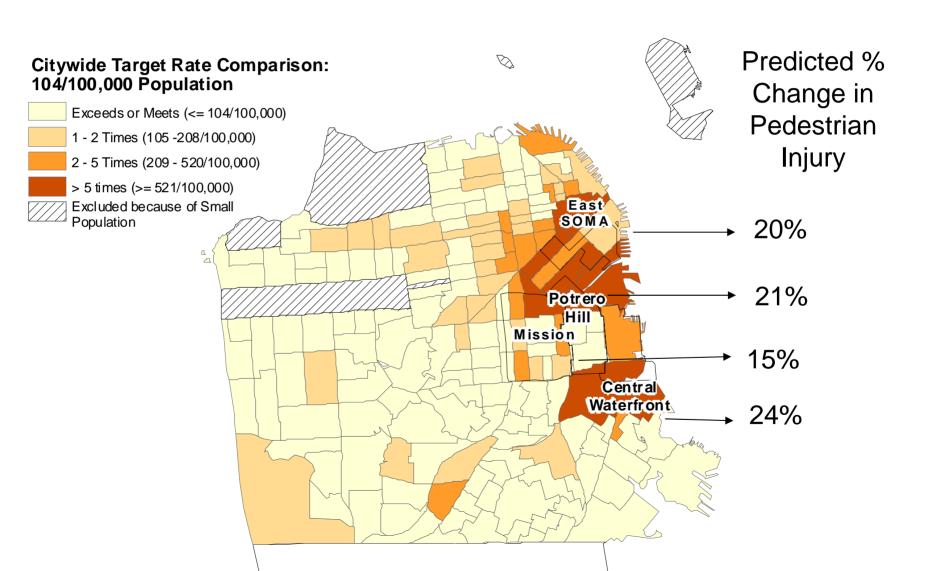


Integrating Health into the CEQA Process Eastern Neighborhoods Rezoning, San Francisco (2007)

- City proposed rezoning of historically industrial lands;
- Potential environmental impacts on residents from noise, air pollutants, traffic hazards, and limited infrastructure
- SFDPH contributed analysis and mitigations to EIR as "cooperating agency"
- Draft EIR required new mitigations to protect respiratory health, reduce noise exposure
- EIR added "improvement measures" to reduce pedestrian injuries

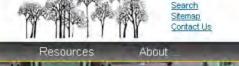


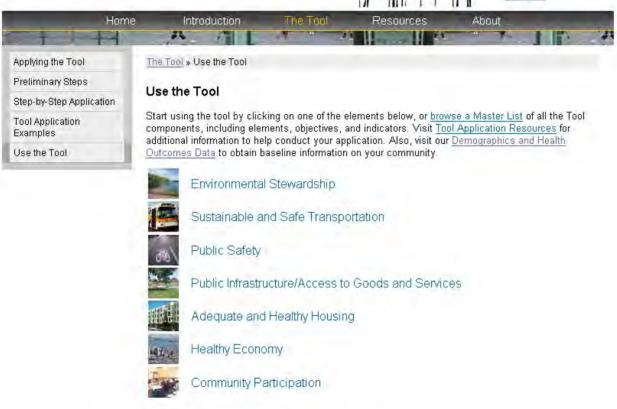
Pedestrian-Vehicle Collision Model Predicted Increases in Injury Collision Rates Resulting from Eastern Neighborhoods Rezoning



The Healthy Development Measurement Tool A Systematic Tool For Planning (2007)

Healthy Development Measurement Tool





Home | Introduction | The Tool | Resources | About The Healthy Development Measurement Tool | San Francisco Department of Public Health, Copyright @ 2006 Page accessed on Thursday, April 5, 2007 at 02:19 PM.

www.TheHDMT.org

The Healthy Development Measurement Tool Key Components

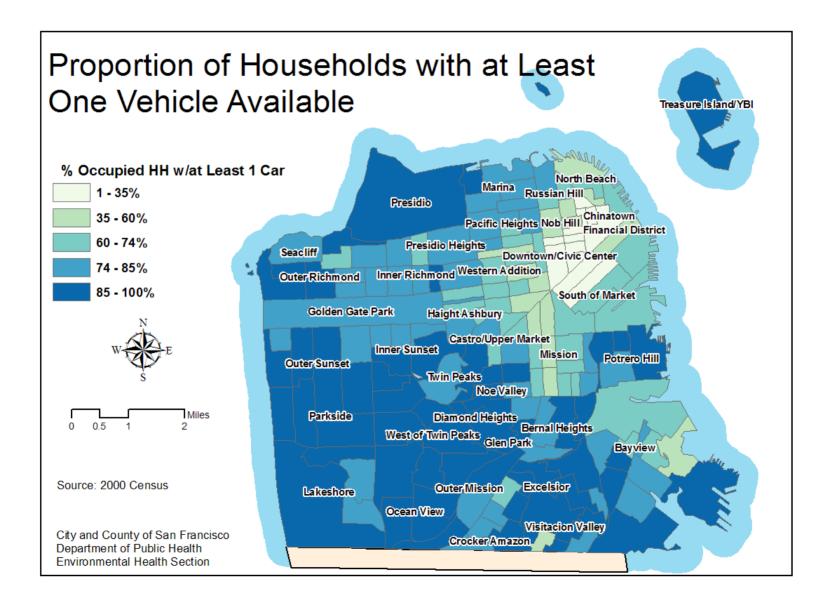
- Community Health Objectives
- Measurable Indicators and Local Indicator data
- 3) Development Targets
- 4) Health—Development Nexus
- Policy and Design Recommendations

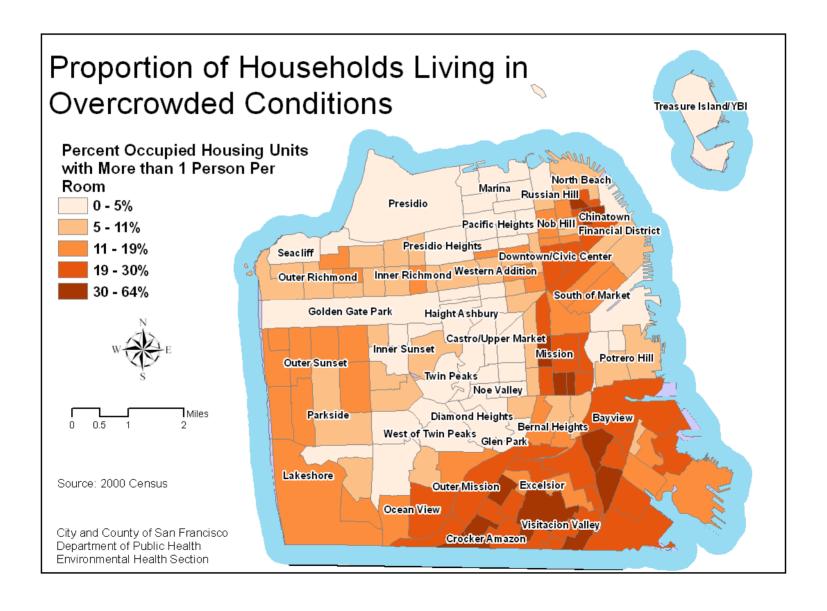


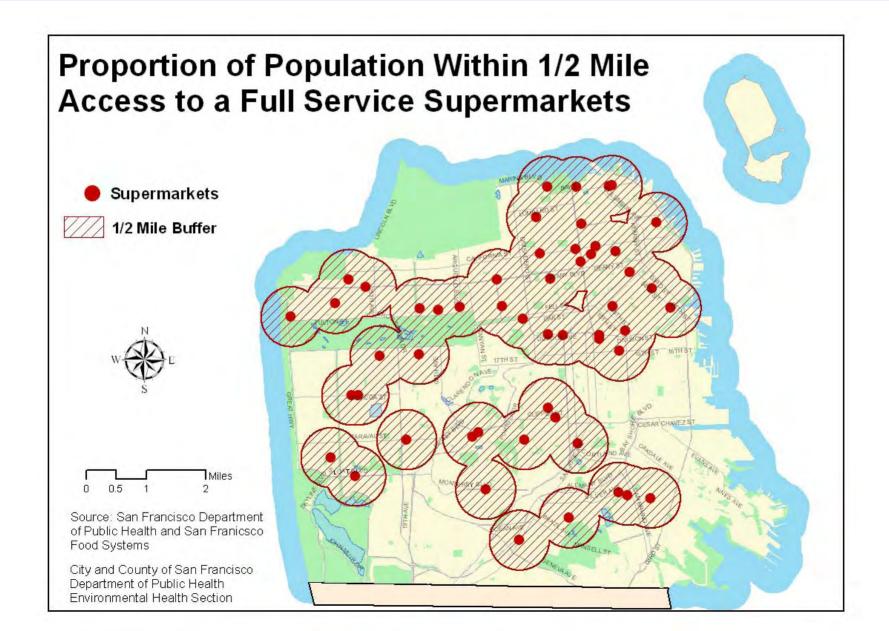
The Healthy Development Measurement Tool Two Primary Findings

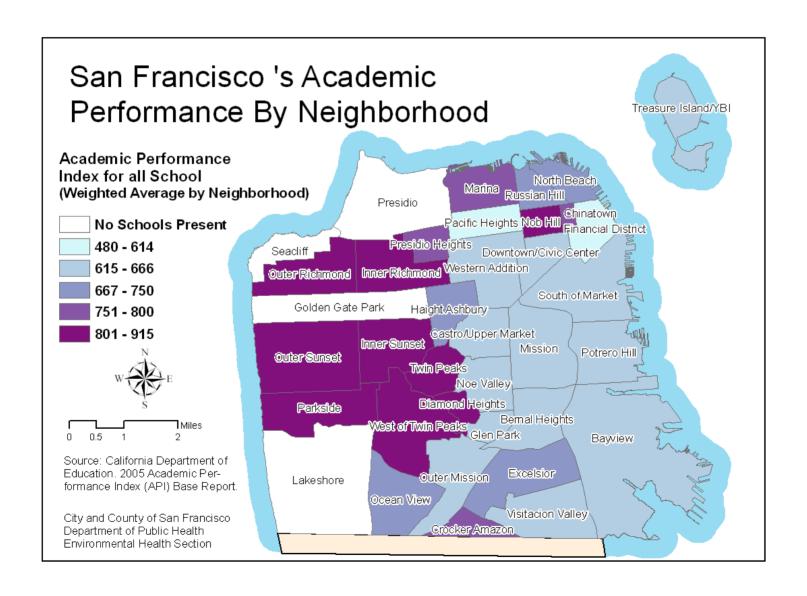
- 1) Does a place have healthy living and working conditions?
 - HDMT indicator data supports assessment of baseline health conditions
- 2) Does a plan or project advance health-related conditions in an area?
 - HDMT development targets provide benchmarks for plans and projects



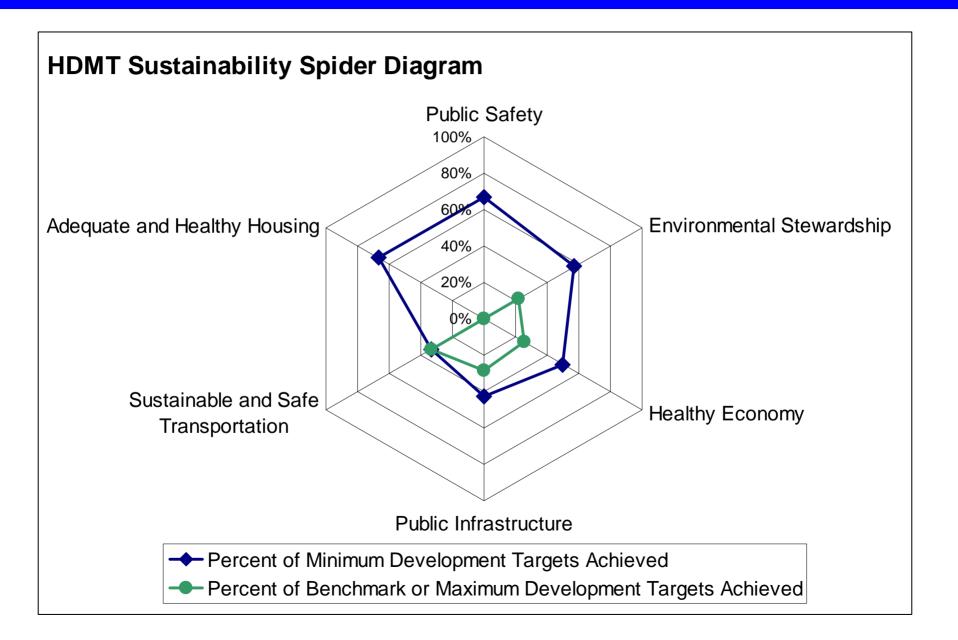








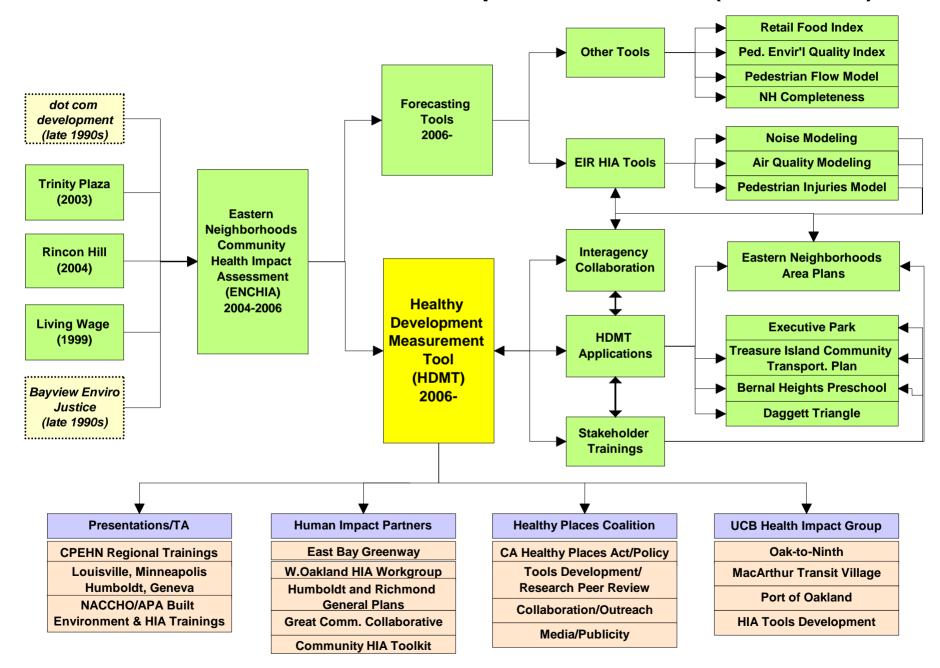
HDMT: Sharing a Holistic Perspective



Bay Area HIA Some Lessons Learned

- A critical public health analysis is missing in public policy making
- Existing (unrealized) institutions are available for protecting public health
- HIA resonates with community needs and concerns
- Health and environmental advocates are key constituencies
- A rigorous approach, practical solutions, and persistence can influence agencies and decision-makers
- Need to work in partnership with agencies, researchers, and private sector to understand and fill missing knowledge gaps
- Need to pick issues, plans, policies strategically both for significance and for developing awareness of HIA

SFDPH Involvement in Health Impact Assessment (2003 - 2007)



The California Healthy Places Act: Support for a Statewide HIA Practice







If adopted, the California Healthy
Places Act would charge the California
Department of Public Health to provide
guidance, technical assistance, and
grants to local public health agencies
and community organizations that
want to evaluate land-use planning
decisions to ensure that they create
the optimum conditions for community
health.

Health Impact Assessment Applications to Transportation Planning

- o New Transportation Facilities
- o Facility Expansions
- o Speed limits
- o Transportation Budgets
- o Operation Plans
- o Congestion Pricing
- o Parking Policy

Web Resources for HIA Tools

SF Department of Public Health

www.sfdph.org/phes/

UC Berkeley HIA Course

http://ehs.sph.berkeley.edu/hia/

Healthy Development Measurement Tool

www.TheHDMT.org

Human Impact Partners

http://www.humanimpact.org/